

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of: : Confirmation No.: 1176  
Gary K. Robinson *et al.* :  
: Group Art Unit: 1645  
Application No.: 10/577,119 :  
: Filed: April 13, 2007 :  
: Examiner:  
For: PROTEINS INVOLVED IN SIGNAL : Virginia Allen Portner  
TRANSDUCTION :  
X

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FOR GERARD P. NORTON, REG. NO. 36,621

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Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO NON-FINAL OFFICE ACTION  
UNDER 37 C.F.R. § 1.111**

Sir/Madam:

In response to the Office Action dated February 24, 2009 (the “Office Action”), Applicants have amended the claims and specification. Entry of this amendment and consideration of the amended claims in view of the remarks are earnestly solicited.

**Amendment to the Specification** begins on page 2.

**Amendment to the Claims** begins on page 4.

**Remarks** begin on page 7.